Updated Full Sea-doo Fault Code List 2003-2021 DIY Repairs

September 22, 2021

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Mega Sea-doo fault code list

SEA-DOO FAULT CODES	REPORTING MODULE	DESCRIPTION	POSSIBLE CAUSE	REPAIR ACTION
B2210	CLUSTER	Left keypad fault (Switch kept activated more than 60 seconds)	Problem with left keypad.	The switch may be defective, verify the functionality of the switch or the wires. Refer to the shop manual for switch diagnosis/testing procedure.
B2211	CLUSTER	Suspension UP/DOWN switches shorted to ground fault	Problem with left keypad.	Look for pin B if shorted to ground or pin C.
B2212	CLUSTER	Suspension UP/DOWN switches disconnected fault	Problem with left keypad.	Look for pin B if disconnected to pin 14 on the cluster. Look for pin C if disconnected to pin 15 on the cluster.
B2213	CLUSTER	VTS UP/DOWN switches shorted to ground fault	Problem with left keypad.	Look for pin A if shorted to ground or if pin C is grounded.
B2214	CLUSTER	VTS UP/DOWN switches disconnected fault	Problem with left keypad.	Look for pin A if disconnected to pin 13 on the cluster. Look for pin C if disconnected to pin 15 on the cluster.
B2220	CLUSTER	Right keypad fault (Switch kept activated more than 60 seconds)	Problem with the right keypad.	The switch may be defective, verify the functionality of the switch or the wires. Refer to the shop manual for switch diagnosis/testing procedure.
B2221	CLUSTER	MODE/SET switches shorted to ground fault	Problem with the right keypad.	Look for pin B if shorted to ground or pin C.
B2222	CLUSTER	MODE/SET switches disconnected fault	Problem with the right keypad.	Look for pin B if disconnected to pin 17 on the cluster. Look for pin C if disconnected to pin 18 on the cluster.

Sea doo fault codes for iBR

Sea-doo iBR pulled apart inside 2017 rxpx 300

The Intelligent brake and reverse (iBR) helps the jetski stop sooner, improves safety, and gives you the ability to engage forward, neutral, and reverse. This is important for stable, easy maneuvers at low speeds. But occasionally things go wrong when the iBR gets jammed with sticks or debris.

SEA-DOO FAULT CODE LIST	REPORTING MODULE	DESCRIPTION	POSSIBLE CAUSE	REPAIR ACTION
C0042	iBR	Brake Lever Sensor (BRLS) signals A open/shorted to ground	Damaged sensor, damaged circuit wires, damaged connector, or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 0.5 to 3 V on pin F. and 0.25 to 1.5V on pin C.
C0043	iBR	Brake Lever Sensor (BRLS) signals B open/shorted to ground	Damaged sensor, damaged circuit wires, damaged connector or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 0.5 to 3 V on pin F and 0.25 to 1.5 on pin C.
C0073	iBR	Torque request failure	ECM software failure. CPS wires shorted.	Perform ECM software updates if available or replace ECM. Verify CPS connection.
C2100	iBR	Sensors calibration is corrupted	Incompatible firmware or memory failure.	Replace the iBR unit. Refer to the Service Manual for more details.
C2101	iBR	Actuator movement warning	The reverse gate cannot move to the desired position within the expected time.	Clean and check for damage in the reverse gate and nozzle area. Refer to the Service Manual for more details.
C2100 There are a few with the same code.	iBR	Actuator movement	The reverse gate cannot move to the desired position.	Clean and check for damage in the reverse gate and nozzle area. Refer to the Service Manual for more details.
C2110	iBR	Reverse gate position sensor error	iBR malfunction.	Check for correct movement of iBR.Replace the iBR unit. Refer to

				the Service Manual for more details.
C2110	iBR	Angle position sensor warning	iBR malfunction.	Replace the iBR unit. Refer to the Service Manual for more details.
C2110	iBR	iBR overheat	iBR cooling system failure. iBR unit failure.	Check the iBR cooling circuit. Replace the iBR unit. Refer to the Service Manual for more details.
C2110	iBR	Monitoring CPU message timeout or validity	iBR malfunction.	Perform an iBR software update if available. Replace the iBR unit. Refer to the Service Manual for more details.
C2110	iBR	Monitoring CPU limp force	iBR malfunction.	Perform an iBR software update if available. Replace the iBR unit. Refer to the Service Manual for more details.
C2111	iBR	ECM erratic RPM signal	RPM signal received from engine ECM not plausible	Check CPS sensor connection
C2120	iBR	Application calibration is corrupted	Incompatible firmware or memory failure.	Perform an iBR software update if available. Replace the iBR unit. Refer to the Service Manual for more details.
C2121	iBR	Application parameters corrupted (backup #1 or #2)	Battery power loss or memory failure.	Perform an electrical system shut download to clear the fault. Verify starting and charging system circuits. Refer to the Service Manual for more details.
2122	iBR	The last session interrupted	Unexpected battery power lost.	Perform an electrical system shut down and clear fault. Verify starting and charging system circuits. Refer to the Service Manual for more details.
C2130	iBR	Motor current software breaker	Motor current too high.	Clean and check for damage in the reverse gate and nozzle area. Refer to the Service Manual for more details.
C2130	iBR	Internal motor drive failure	Motor voltage feedback not fitting with the command.	Check that the power cable to the motor is connected
C2131	iBR	iBR DC motor shorted to ground or 12 V	iBR motor failure. iBR motor wires damaged or moisture detected	Check iBR circuits A and B. Refer to the Service Manual for more details.
C2132	iBR	Motor Open	No current while activated.	Check the power cables are connected.
C2142	iBR	Brake Lever Sensor (BRLS) signals A shorted to battery	Damaged sensor, damaged circuit wires, damaged connector, or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 0.5 to 3 V on pin F and 0.25 to 1.5 on pin C.
C2143	iBR	Brake Lever Sensor (BRLS) signals B shorted to battery	Damaged sensor, damaged circuit wires, damaged connector, or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 0.5 to 3 Von pin F and 0.25 to 1.5 on pin C.

C2144	iBR	Brake Lever Sensor (BRLS) power shorted to battery	Damaged sensor, damaged circuit wires, damaged connector, or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 4.5 to 5 volts on sensor connector pin A & D. Refer to the Service Manual for more details.
C2145	iBR	Brake Lever Sensor (BRLS) power shorted to ground	Damaged sensor, damaged circuit wires, damaged connector, or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 4.5 to 5 volts on sensor connector pin A & D. Refer to the Service Manual for more details.
C2146	iBR	Brake Lever Sensor (BRLS) signals A/B reading difference	Damaged sensor, damaged circuit wires, damaged connector, or damaged iBR pins. Fault detected when the engine is running or stopped.	Check for 0.5 to 3 V on pin F and 0.25 to 1.5 on pin C.
C2150	iBR	System current software breaker	iBR input current too high.	Clean and check for damage in the reverse gate and nozzle area. Refer to the Service Manual for more details.
C2151	iBR	System disabled and need activation	The system is locked. Need activation.	Use B.U.D.S. iBR unlock function. Refer to the Service Manual for more details.
C2155	iBR	Water temperature sensor overheat	iBR cooling system failure. iBR unit failure.	Check the iBR cooling circuit. Sea-Doo coolant flush procedure. Replace the iBR unit. Refer to the Service Manual for more details.
C2161	iBR	Low voltage detected	Battery failure, rectifier failure, damaged circuit wires, battery terminal connection, damaged AC generator or damaged connectors.	Check fuses #6 (refer to WIRING DIAGRAM). Check ground continuity to the engine block. Refer to the Service Manual for more details.

Sea-doo “iS” Faults (Stands for *Intelligent Suspension*)

Sea-Doo discontinued its Intelligent Suspension system in 2017 possibly due to costs, weight and for me, it just didn’t work very well. But there are a number of Jet-skis out there with this feature so below are the fault codes that can occur with Intelligent Suspension.

SEA-DOO FAULT CODES	REPORTING MODULE	DESCRIPTION	POSSIBLE CAUSE	REPAIR ACTION
C2200	iS	Sensors calibration is corrupted	Incompatible firmware or memory failure (Internal memory failure, return to supplier).	Defective iS module, replace the module and return to supplier.
C2210	iS	Bridge/CPU temperature sensor overheat	Hardware failure or external heat source.	Check for overutilization/heat.
C2220	iS	Application calibration is corrupted	Incompatible firmware or memory failure (B.U.D.S. should repair that).	Program calibration with B.U.D.S. software.

C2221	iS	Application parameters corrupted (backup #1 or #2)	Battery power lost or memory failure (Reset after power-down-up, clear fault. If happens often, verify supply voltage).	Check power wiring and fuse.
C2222	iS	Last session interrupted	Unexpected battery power lost.	Check power wiring and fuse.
C2230	iS	Internal motor drive failure	Motor voltage feedback not fitting with the command.	Defective iS module, replace the module and return to supplier.
C2231	iS	Motor shorted to ground/battery	Motor shorted to ground/battery	Check suspension actuator pump wiring.
C2232	iS	Motor open	No current while activated.	Check suspension actuator pump and/or wiring.
C2233	iS	Motor current software breaker	Motor current too high.	Check suspension actuator pump.
C2240	iS	Seat position sensor error Open, Shorted to Ground	Sensor not connected	Check system circuit at iS module, (refer to WIRING DIAGRAM)
C2250	iS	System current software breaker	Battery input current too high.	Check suspension actuator pump.
C2251	iS	System disabled and need activation	The system is locked for safety. Need activation.	Activate iS using BRP B.U.D.S. fault Scanner activation function.
C2252	iS	TOPS active Tip-over protection	Warning only! TOPS detected by the system, the suspension is disabled while the TOPS is “ON’.	Refer to the Service Manual for more details.
C2260	iS	System under voltage	The system has an under-voltage warning.	Check battery and charging system. Replace Seadoo battery.

Sea-doo ECM Fault codes

The Engine Control Module (ECM), also called the Engine Control Unit (ECU), ensures that your Sea-doo jetski operates at optimal performance. The ECM is looking at hundreds of parameters every second and will throw up a fault code if something is wrong to protect the engine.

SEA-DOO FAULT CODE LIST	**REPORTING MODULE**	**DESCRIPTION**	**POSSIBLE CAUSE**	**REPAIR ACTION**
P0008	ECM	Engine phase-detection fault		
P0030	ECM	Heater Power Stage fault for lambda sensor upstreams of catalyst		

P0031	ECM	Heater Power Stage fault for lambda sensor upstreams of catalyst short circuit to GNI)		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is good and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the HO2 sensor circuit is corroded
P0032	ECM	Heater Power Stage fault for lambda sensor upstreams of catalyst short circuit to V+		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is in good condition and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the HO2 sensor circuit is corroded
P0036	ECM	Heater Power Stage fault for lambda sensor downstream of the catalyst	This can mean that the specified sensor is not sending the right data to the PCM (powertrain control module).	
P0037	ECM	Heater Power Stage fault for lambda sensor downstream of catalyst -- short circuit to GND		
P0038	ECM	Heater Power Stage fault for lambda sensor downstream of catalyst – short circuit to V+		
P0106	ECM	Intake pressure sensor out of range	Sensing port dirty or blocked. Sensor failure or unexpected reading at idle. The sensor has fallen out of housing or leaking inlet.	Check system circuits A-64, A-G4, A-H2. Make sure that the sensor housing is correctly inserted into the manifold. Check sensor connector for: a)5 volts on pin 1. b)0 volt on pin 2. c)0 volt on pin 3. Refer to the Service Manual for more details
P0107	ECM	Manifold absolute pressure sensor shorted to ground or not connected.	Sensing port dirty or blocked. Sensor failure or unexpected reading at idle. The sensor has fallen out of housing or leaking inlet. Connector disconnected	Check system circuits A-B4, A-G4, A-H2. Make sure that the sensor housing is correctly inserted into the manifold. Check sensor connector for: a)5 volts on pin 1. b)0 volt on pin 2. c)0 volt on pin 3. Refer to the Service Manual for more details.
P0108	ECM	Manifold absolute pressure sensor open circuit or shorted to battery	Sensing port dirty or blocked. A sensor failure or unexpected reading at idle. The sensor has fallen out of housing or leaking inlet.	Check system circuits A-B4, A-G4, A-H2. Make sure that the sensor housing is correctly inserted into the manifold. Check sensor connector for: a)5 volts on pin 1. b)0 volt on pin

				2. c)0 volt on pin 3. Refer to the Service Manual for more details.
P0112	ECM	Intake manifold temperature sensor shorted to ground	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check the sensor for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F). Check for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F) between ECM connector pins A-H3 and A-J3. Refer to the Service Manual for more details.
P0113	ECM	Intake manifold temperature sensor open circuit or shorted to battery	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	heck the sensor for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F). Check for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F) between ECM connector pins A-H3 and A-J3. Refer to the Service Manual for more details.
P0116	ECM	Engine coolant temperature signal not plausible	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check for debris Dr blockage in the cooling system. Check the sensor for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F). Check for approximately 2280 to 2736 Ohms at 19 to 21°C (66 to 70°F) between ECM connector pins A-Al and A-J2. Refer to the Service Manual for more details.
P0117	ECM	Engine coolant temperature sensor fault – Short circuit to GND	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check for debris or blockage in the cooling system. Check the sensor for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F). Check for approximately 2280 to 2736 Ohms at 19 to 21°C (66 to 70°F) between ECM connector pins A-Al and A-J2. Refer to the Service Manual for more details.
P0118	ECM	Engine coolant temperature sensor fault – Short circuit to V+ or connector disconnected.	Engine overheated or damaged sensor. Connector disconnected.	Check for debris or blockage in the cooling system. Check the sensor for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F). Check for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F) between ECM connector pins A-A1 and A-J2. Refer to the Service Manual for more details.
P0122	ECM	TAS (Throttle Accelerator sensor) 1 fault (short circuit to GND)	Damaged sensor, damaged circuit wires, damaged connector or damaged ECM pins,	Check system circuits B-E1, B-K1, B-K3. Check for 0 volts on sensor connector pin E. Check for 5 volts on sensor connector pin D. Check for 0.5 to 3 volts on sensor connector pin F.

				Refer to the Service Manual for more details.
P0123	ECM	TAS (Throttle Accelerator sensor) 1 fault (short circuit to the battery)	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check system circuits B-E1, B-K1, B-K3. Check for 0 volts on sensor connector pin E. Check for 5 volts on sensor connector pin D. Check for 0.5 to 3 volts on sensor connector pin F. Refer to the Service Manual for more details.
P0127	ECM	Intercooler system fault	High air intake temperature detected. Fault detected when the engine is running and stopped. Blocked intercooler water circuit.	Clean intercooler water circuit system. Refer to the Service Manual for more details.
P0130	ECM	Lambda Sensor fault upstreams of catalyst signal not plausible		
P0131	ECM	Lambda Sensor fault upstreams of catalyst short circuit to GND		Replace oxygen sensor find ground fault
P0132	ECM	Lambda Sensor fault upstreams of catalyst short circuit to V+		Replace oxygen sensor
P0133	ECM	Oxygen sensor upstreams of catalyst react too slow —› contaminated		Clean replace the oxygen sensor
P0134	ECM	Oxygen sensor upstreams of catalyst react too slow —> defective		Clean replace the oxygen sensor
P0135	ECM	Lambda Sensor heating fault upstreams of catalyst		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is good and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the HO2 sensor circuit is corroded
P0136	ECM	Lambda Sensor fault downstream of		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is good

		catalyst – signal not plausible		and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the O2 sensor circuit is corroded
P0137	ECM	Lambda Sensor fault downstream of catalyst – short circuit to GROUND		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is good and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the O2 sensor circuit is corroded
P0138	ECM	Lambda Sensor fault downstream of catalyst – short circuit to V+		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is good and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the O2 sensor circuit is corroded
P0141	ECM	Lambda Sensor heating fault downstream of the catalyst		It can have several problems, but wiring being damaged by excessive heat from the exhaust is most common. Make certain the wiring is good and has proper voltage and ground to the sensor before replacing the sensor. Check if the ground wire on the O2 sensor circuit is corroded
P0171	ECM	Multiplicative mixture adaptation exceeds the upper limit—> mixture too lean		
P0172	ECM	Multiplicative mixture adaptation below lower limit—> mixture too rich		
P0201	ECM	Injection Power Stage fault – open line/Cylinder 1	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM Output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 2 and ECM connector pin A-B3. Check for 12 volts on pin 2 of injector connector. Check fuse #13 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Refer to the Service Manual for more details.
P0202	ECM	Injection Power Stage fault – Open line/Cylinder 2	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 2 and ECM connector pin A-K1. Check for 12 volts on pin 2 of the injector connector. Check fuse #14 (refer

				to WIRING DIAGRAM). Check for damaged circuit wires Refer to the Service Manual for more details.
P0203	ECM	Injection Power Stage fault – open line/Cylinder 3	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 3 and ECM connector pin A-J1, Check for 12 volts on pin 2 of the injector connector. Check fuse #15 (refer to WIRING DIAGRAM). . Check for damaged circuit wires. Refer to the Service Manual for more details.
P0217	ECM	High engine coolant temperature detected	High engine coolant temperature detected caused by a blockage in coolant ride plate, cooling system, or low coolant. This Sea-doo fault code comes up often when seaweed is blocking the intake grate.	Check for debris or blockage in the cooling system. Check the sensor for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F). Check for approximately 2280 to 2736 ohms at 19 to 21°C (66 to 70°F) between ECM connector pins A-Al and A-J2. Refer to the Service Manual for more details.
P0222	ECM	TAS (Throttle Accelerator sensor) 2 fault (short circuit to GND)	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check system circuits B-A3, B-B3, B-J3. Check for 0 volts on sensor connector pin B. Check for 5 volts on sensor connector pin A. Check for 0.25 to 1.5 volts on sensor connector pin C, Refer to the Service Manual for more details.
P0223	ECM	TAS (Throttle Accelerator sensor) 2 fault (short circuit to the battery)	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check system circuits B-A3, B-B3, 8-J3. Check for 0 volt Dn sensor connector pin B. Check for 5 volts on sensor connector pin A. Check for 0.25 to 1.5 volts on sensor connector pin C. Refer to the Service Manual for more details.
P0231	ECM	Fuel pump open circuit or short to ground	Damaged pump, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for approximately 1 ohm between pins A and B of the fuel pump connector. Check fuse #18 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Check for damaged connector, damaged ECM

				Output pins or ECM failure. Refer to the Service Manual for more details.
P0232	ECM	Fuel pump short circuit to battery	Damaged pump, damaged circuit wires, damaged connector, or damaged ECM Output pins.	Check for approximately 1 ohm between pins A and B of the fuel pump connector. Check fuse #16 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Check for damaged connector, damaged ECM output pins or ECM failure. Refer to the Service Manual for more details.
P0261	ECM	Injector 1 open circuit or shorted to ground	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 1 and ECM connector pin A-B3. Check for 12 volts on pin 2 of the injector connectors. Check fuse #13 (refer to WIRING DIAGRAM), Check for damaged circuit wires. Refer to the Service Manual for more details.
P0262	ECM	Injector 1 shorted to battery	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 1 and ECM connector pin A-83. Check for 12 volts on pin 2 of the injector connector. Check fuse #13 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Refer to the Service Manual for more details.
P0264	ECM	Injector 2 open circuit or shorted to ground	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 2 and ECM connector pin A-K1. Check for 12 volts on pin 2 of the injector connectors. Check fuse #14 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Refer to the Service Manual for more details.
P0265	ECM	Injector 2 shorted to battery	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 2 and ECM connector pin A-KI. Check for 12 volts on pin 2 of the injector connector. Check fuse #14 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Refer to the Service Manual for more details.
P0267	ECM	Injector 3 open circuit or shorted to ground	Damaged injector, damaged circuit wires, damaged	Check for 11.4 to 12.6 ohms between engine connector pin 3 and ECM connector pin A-.11. Check for 12 volts on pin 2 of the injector connector.

			connector, or damaged ECM Output pins.	Check fuse #15 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Refer to the Service Manual for more details.
P0268	ECM	Injector 3 shorted to battery	Damaged injector, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 11.4 to 12.6 ohms between engine connector pin 3 and ECM connector pin A-J1. Check for 12 volts on pin 2 of the injector connector. Check fuse #15 (refer to WIRING DIAGRAM). Check for damaged circuit wires. Refer to the Service Manual for more details.
P0300	ECM	Multiple misfires detected	Check coil and spark plugs.	
P0301	ECM	Misfire cylinder 2 (physical cylinder 1)	Check coil and spark plugs.	Replace Sea-doo spark plugs and coil
P0302	ECM	Misfire cylinder 2 (physical cylinder 1)	Check coil and spark plugs. Water ingress into the electrical system.	Replace spark plugs and coil
P0303	ECM	Misfire cylinder 1 (physical cylinder 3)	Check coil and spark plugs. Water ingress.	Replace spark plugs and coil
P0325	ECM	Knock sensor 1 fault	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM output pins. Open circuit.	Bring the engine to 5000 RPM. If fault code appears then check for approximately 5 M ohms between system circuits A-C3 and A-G2. Refer to the Service Manual for more details.
P0330	ECM	Knock sensor 2 fault	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM output pins. Open circuit.	Bring the engine to 5000 RPM. If fault code appears then check for approximately 5 Mohms between system circuits A-C3 and A-G2. Refer to the Service Manual for more details.

Sea-doo Electrical Fault Codes Continued

SEA-DOO FAULT CODES	REPORTING MODULE	DESCRIPTION	POSSIBLE CAUSE	REPAIR ACTION
P0335	ECM	Crankshaft signal error	Damaged sensor, damaged circuit wires, damaged connector, damaged ECM pins, or damaged tooth	For the CPS, check for 700 to 900 ohms between terminals A-H1 and A-

			wheel. Connector disconnected.	K2 of the ECM connector. Refer to the Service Manual for more details.
P0340	ECM	Camshaft 1 signal error	Damaged sensor, damaged circuit wires, damaged connector, damaged ECM pins, or damaged tooth wheel. Connector disconnected.	For the CAPS, check for 12 volts on sensor connector pin 3. Check continuity for circuits A-D4, A-E2, and terminal 4 on engine connector. Check fuse #12 (refer to WIRING DIAGRAM). Engine must run to erase the corrected fault. Refer to the Service Manual for more details.
P0351	ECM	Ignition coil 1 open circuit or shorted to ground or to battery	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1.15 Ohms between engine connector pin 1 and ECM connector pin A-M4. Check for 12 volts on pin 2 of the coil connector. Check fuse #13 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0352	ECM	Ignition coil 2 open circuit or shorted to ground or to battery	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1.15 ohms between engine connector pin 1 and ECM connector pin A-M2. Check for 12 volts on pin 2 of the coil connector. Check fuse #14 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0353	ECM	Ignition coil 3 open circuit or shorted to ground or to battery	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1.15 ohms between engine connector pin 3 and ECM connector pin A-M1. Check for 12 volts on pin 2 of the coil connector. Check fuse #15 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0354	ECM	Ignition Power Stage fault – short circuit to GND/Cylinder 1	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1.15 ohms between engine connector pin 1 and ECM connector pin A-M4. Check for 12 volts on pin 2 of the coil connector. Check fuse #13 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.

P0355	ECM	Ignition Power Stage fault – short circuit to GND/Cylinder 2	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1.15 ohms between engine connector pin 1 and ECM connector pin A-M2. Check for 12 volts on pin 2 of the coil connector. Check fuse #14 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0356	ECM	Ignition Power Stage fault – short circuit to GND/Cylinder 3	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1,15 ohms between engine connector pin 3 and ECM connector pin A-M1. Check for 12 volts on pin 2 of the coil connector. Check fuse #15 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0357	ECM	Ignition Power Stage fault – short circuit to V+/Cylinder 1	Damaged coil, damaged circuit wires, damaged connector Dr damaged ECM output pins.	Check for 0.85 to 1,15 ohms between engine connector pin 1 and ECM connector pin A-M4. Check for 12 volts on pin 2 of the coil connector. Check fuse #13 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0358	ECM	Ignition Power Stage fault – short circuit to V+/Cylinder 2	Damaged coil, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for 0.85 to 1.15 ohms between engine connector pin 1 and ECM connector pin A-M2. Check for 12 volts Dn pin 2 of coil connector. Check fuse #14 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0359	ECM	Ignition Power Stage fault – short circuit to V+/Cylinder 3	Damaged coil, damaged circuit wires, damaged connector Dr damaged ECM output pins.	Check for 0.85 to 1.15 ohms between engine connector pin 3 and ECM connector pin A-M1. Check for 12 volts on pin 2 of the coil connector. Check fuse #15 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0360	ECM	Ignition Power stage max error & false detection of low	Signal not plausible, verify battery voltage too low during ignition.	Check for 0.85 to 1.15 Ohms between engine connector pin 1 and ECM connector pin A-M4. Check for 12 volts on pin 2 of the coil connector.

		battery voltage/Cylinder 1		Check fuse #13 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0361	ECM	Ignition Power stage max error & false detection of low battery voltage/Cylinder 2	Signal not plausible, verify battery voltage too low during ignition.	Check for 0.85 to 1.15 ohms between engine connector pin 1 and ECM connector pin A-M2. Check for 12 volts on pin 2 of the coil connector. Check fuse #14 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0362	ECM	Ignition Power stage max error & false detection of low battery voltage/Cylinder 3	Signal not plausible, verify battery voltage too low during ignition.	Check for 0.86 to 1.15 ohms between engine connector pin 3 and ECM connector pin A-M1. Check for 12 volts on pin 2 of the coil connector. Check fuse #15 (refer to WIRING DIAGRAM). Refer to the Service Manual for more details.
P0365	ECM	Camshaft 2 signal error		Replacement of the sensor, along with a repair of the oil leak responsible for contaminating the sensor. Wiring damage and corroded connectors and earth are also often common problems.
P0500	ECM	Vehicle speed signal fault	Cluster fault detected by ECM C.A.N. circuit failure, Instrument cluster, or ECM failure	Check C.A.N. circuits wires. Replace instrument Cluster. Verify Outside of the building if the GPS LED becomes active after 1 minute and stays steady Refer to the Service Manual for more details.
P0501	ECM	Vehicle speed not plausible	Cluster or iBR fault detected by ECM. C.A.N. circuit failure, Instrument cluster, iBR, or ECM failure.	Check C.A.N. circuits wires. Replace instrument Cluster. Verify outside of the building if the GPS LED becomes active after 1 minute and stays steady Refer to the Service Manual for more details.
P0504	ECM	Vehicle speed not plausible	iBR fault detected by ECM. C.A.N. circuit failure, ECM software failure.	Check C.A.N. circuits wires. Replace iBR. Refer to the Service Manual for more details.

P0512	ECM	The starter power stage detects high current	Damaged solenoid, damaged circuit wires, damaged connector, or damaged ECM.	Verify fuse #16 (5AIVIP). Check for 12 volts on pin 2 of the starter relay. Check earth. Refer to the Service Manual for more details.
P0513	ECM	Invalid D.E.S.S. Key detected	Key not programmed in ECU.	Replace or program a good key.
P0520	ECM	Oil pressure switch functional problem	Engine leak, oil pump failure, damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins	Check resistance at 0 RPM and above 3500 RPM, Switch is normally closed, ECM connector pin A-E3 When blow-by pressure exceeds 40 kPa (6 PSI), the resistance is infinitely high. Refer to the Service Manual for more details.
P0523	ECM	Oil pressure sensor fault	Engine leak, oil pump failure, damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins. Fault detected when the engine is running or stopped.	Check resistance at 0 RPM and above 3500 RPM. When blow-by pressure exceeds 40 kPa (6 PSI), the resistance is infinitely high. Refer to the Service Manual for more details.
P0524	ECM	Low oil pressure condition	Low Oil level, engine leak, oil pump fault.	Check the oil level in the engine. Blocked oil filter. How to do an easy Oil Change on a Sea-doo PWC. Check impedance of the sensor. Refer to the Service Manual for more details.
P0544	ECM	Exhaust gas temperature sensor functional problem	Damaged sensor, damaged circuit wires, damaged connecter, or damaged ECM output pins.	Check for approximately 2280 to 2736 ohms at a temperature of 19 to 21°C (66 to 70°F) between system circuits A-H4 and A-J4. Refer to the Shop Manual for more details.
P0545	ECM	Exhaust gas temperature sensor shorted to ground	Damaged sensor, damaged circuit wires, damaged connecter, or damaged ECM output pins.	Check for approximately 2280 to 2736 ohms at a temperature of 19 to 21°C (66 to 70°F) between system circuits A-H4 and A-J4. Refer to the Service Manual for more details
P0546	ECM	Exhaust gas temperature sensor open circuit or shorted to battery	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for approximately 2280 to 2736 ohms at a temperature of 19 to 21°C (86 to 70°F) between system circuits A-H4 and A-J4. Refer to the Service Manual for more details.
P0560	ECM	Battery voltage is not plausible	Battery failure, rectifier failure, damaged circuit wires, battery terminal connection, damaged AC	Check fuses #6 (refer to WIRING DIAGRAM). Check ground continuity to the engine block.

			generator or damaged connectors.	Refer to the Service Manual for more details
P0562	ECM	Battery voltage too low	Battery failure, rectifier failure, damaged circuit wires, battery terminal connection, damaged AC generator, or damaged connectors.	Check fuses #6 (refer to WIRING DIAGRAM). Check ground continuity to the engine block. Charge the battery with a smart charger. Refer to the Service Manual for more details
P0563	ECM	Battery voltage too high	Battery failure, rectifier failure, or battery terminal connection.	Check for regulator-rectifier failure. Make sure if jump-starting the battery that you are connected in parallel and not series. Refer to the Service Manual for more details.
P0564	CLUSTER	Cruise switch fault	The cruise switch is shorted or activated for more than 60 seconds.	Verify the cruise switch if it is normally open and close when activated. Sticky switch replace.
P0606	ECM	ECM ADC fault	Damaged ECM.	Replace damaged ECM.
P060D	ECM	TAS (Throttle Accelerator sensor) synchronization error	Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM pins.	Check system circuits B-El, B-K1, B-K3, B-A3, B-B3, B-J3. Check for 0 volts on sensor connector pin B and E. Check for 5 volts on sensor connector pin A and D. Check for 0.5 to 3 volts on sensor connector pin F and 0.25 to 1.5 volts on C Refer to the Service Manual for more details.
P060E	ECM	Throttle Actuator – Controller Fault-digital position control exceeds the limit.		
P0610	ECM	Variant coding fault		
P0629	CLUSTER	Fuel sensor disconnected fault	Damaged sensor, damaged circuit wires, damaged connector Dr damaged ECM output pins.	Check for 2.6 ohms (full tank) to 93.6 ohms (empty tank) between pin C and pin D at the fuel pump connector. Check the system circuit at the gauge Pin 19 and 20. (refer to WIRING DIAGRAM).
P062C	ECM	Cluster CAN error – Loss of vehicle speed	Cluster fault detected by ECM. C.A.N. circuit failure,	Check C.A.N. circuits wires. Replace instrument Cluster. Verify outside of the building if the GPS LED becomes active after 1 minute and stays steady

		information from the cluster	Instrument cluster, or ECM failure.	Refer to the Service Manual for more details.
P062F	ECM	ECM EEPROM fault – exchange ECM	Damaged ECM.	Replace damaged ECM.
P06B6	ECM	ECM Fast ADC fault (knock detection line)		
P1030 P1036	ECM	Heater Power Stage		
P1106	ECM	Altitude correction		
P1120	ECM	Throttle positions calculated from TPS 1 and TPS 2 not corresponding	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S code scanner. Replace throttle actuator, replace ECM.
P1130 P1136	ECM	Lambda Sensor fault	Lambda Sensor fault upstream of the catalyst, replace the sensor.	
P1171	ECM	Additive mixture too lean		An open signal on the coolant temperature sensor (CTS) can trigger this fault.
P1172	ECM	Additive mixture too rich		An open signal on the coolant temperature sensor (CTS) can trigger this fault.
P1264	ECM		Ignition Power stage overload	Damaged coil, replace. Damaged circuit wires, damaged connector, or damaged ECM output pins.
P1502	ECM	T.O.P.S functional problem	Boat, Jet-ski, or sensor upside down, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check continuity for circuits A-C4, A-G1, A-F4. Refer to the Service Manual for more details.
P1503	ECM	T.O.P.S switch short circuit to 12 V	Boat or sensor upside down, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check continuity circuits A-C4, A-G1, A-F4. Refer to the Service Manual for more details.
P1504	ECM	T.O.P.S switch short circuit ground	Boat or sensor upside down, damaged circuit wires, damaged connector,	Check continuity circuits A-C4, A-G1, A-F4. Refer to the Service Manual for more details.

			or damaged ECM output pins.	
P1505	ECM	T.O.P.S switch fault non-plausible state	Boat or sensor upside down, damaged circuit wires, damaged connector, or damaged ECM output pins. Open circuit.	Check continuity for circuits A-C4, A-G1, A-F4. Refer to the Service Manual for more details.
P1506	ECM	T.O.P.S switch open circuit	Boat or sensor upside down, damaged circuit wires, damaged connector, or damaged ECM output pins. Open circuit.	Check continuity for circuits A-C4, A-G1, A-F4. Refer to the Service Manual for more details.
P1509	ECM	Lake Water Temperature sensor fault	Clean or replace the sensor	

Sea-doo Throttle, CAN-BUS, and VTS Fault Codes List

SEA-DOO FAULT CODES	REPORTING MODULE	DESCRIPTION	POSSIBLE CAUSE	REAPIR ACTION
P1550	ECM	O.T.A.S sensor voltage not plausible	Sensor or a magnet out of place	Check for rust on the magnet or sensor. Clean. Replace magnet or sensor.
P1590	ECM	VTS position sensor circuit out of range		
P1591	ECM	VTS position sensor circuit voltage low		
P1592	ECM	VTS position sensor circuit voltage high		
P1593	ECM	VTS malfunction		
P1606	ECM	ECM ADC fault – exchange ECM	Damaged ECM.	No service action is available for fault P1606.
P160E	ECM	Throttle Actuator – Controller Fault – digital position control below the limit	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with BRP B.U.D.S Diagnostic Scanner. Replace

				throttle actuator, replace ECM module.
P1610	ECM	Throttle Actuator – Power Stage fault	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1611	ECM	Throttle Actuator – Power Stage fault	Damaged throttle actuator, damaged circuit wires, damaged connector or damaged ECM,	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1612	ECM	Throttle Actuator – Power Stage fault	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1613	ECM	Throttle Actuator – Power Stage fault	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1614	ECM	Throttle Actuator – Return-Spring check not passed/Spring does not close	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, cable, replace ECM.
P1615	ECM	Throttle Actuator – Position monitoring fault	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1616	ECM	Throttle Actuator – Default position check or learning fault	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1619	ECM	Throttle Actuator – Adaptation of upper mechanical limit failed	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1619	ECM	Throttle Actuator – Adaptation of upper mechanical limit failed	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1620	ECM	Throttle Actuator – Adaptation of lower mechanical limit failed	Damaged throttle actuator, damaged circuit wires,	Check system circuit, perform closed throttle with B.U.D.S.

			damaged connector, or damaged ECM.	Replace throttle actuator, replace ECM.
P1621	ECM	Throttle Actuator – Abortion of adaptation	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1622	ECM	Throttle Actuator – Repeated abortion of adaptation	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1654	ECM	The voltage of D.E.S.S, key switch out of range. DESS stands for 'digital encoded security system'.	Damaged D.E.S.S. key switch, damaged circuit wires, damaged connector, or damaged ECM output pins.	Remove the D.E.S.S. key and check system circuit B-B2. Refer to the Service Manual for more details.
P1657	ECM	Electrical- fault of D.E.S.S. key communication line	Damaged D.E.S.S. key switch, damaged circuit wires, damaged connector, or damaged ECM output pins.	Remove the D.E.S.S. key and check system circuit B-B2. Refer to the Service Manual for more details.
P1658	ECM	Faulty D.E.S.S. key communication	Damaged D.E.S.S. key switch, damaged circuit wires, damaged connector, or damaged ECM output pins.	Remove the D.E.S.S. key and check system circuit B-B2. Refer to the Service Manual for more details.
P1661	ECM	iBR malfunction	iBR fault detected by ECM.	Remove D.E.S.S. key Perform an electrical system shut down. Clear fault.
P1662	ECM	iBR torque request is not plausible	iBR fault detected by ECM.	Perform iBR software update if available or replace iBR.
P1679	ECM	Main Relay Sticking	Permanent 12 V is present on ECM Pin B-M4.	ECU pin B-M4 is permanently supplied thru a 15 amp fuse and it should be accessory 12 Vdc.
P1690	ECM	VTS control up circuit open circuit or shorted to ground		
P1691	ECM	VTS control up circuit shorted to battery		

P1692	ECM	VTS control down circuit open circuit or shorted to ground		
P1693	ECM	VTS control down circuit shorted to battery		
P1694	ECM	VTS Power stage fault		
P1695	ECM	VTS Power stage fault		
P1686	ECM	ECU Fast ADC fault (knock detection line)		
P1687 P1688 P16B7 P16B8	ECM	ECU Fast ADC fault (knock detection line)		
P16C0 P16C1	ECM	The fault of ECM ADC		
P16C2	ECM	The fault of ECM monitoring module		
P16C3	ECM	Monitoring fault due to Accelerator Sensor check		
P16C4	ECM	Monitoring fault due to engine speed check		
P16C5	ECM	Safety fuel cut off active – Monitoring level 1		
P16C6	ECM	Safety fuel cut off active – Monitoring level 2		
P1607	ECM	Monitoring fault due to throttle valve plausibility check	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P1608	ECM	Monitoring fault due to exceeding permitted throttle valve position	Damaged throttle actuator, damaged circuit wires,	Check system circuit, perform closed throttle with B.U.D.S.

			damaged connector, or damaged ECM.	Replace throttle actuator, replace ECM.
P1609	ECM	Monitoring detected non-plausible D.E.S.S. key state	Damaged D.E.S.S. key switch, damaged circuit wires, damaged connector, or damaged.	Remove D.E.S.S. key and check system circuit B-B2. Refer to the Service Manual for more details.
P16CA	ECM	ECU detected faulty watchdog line ECU defect	Damaged ECM.	Replace Damaged ECM.
P160B	ECM	ECU switch off through watchdog line (hardware fault) ECU defect	Damaged ECM.	Replace Damaged ECM.
P2080	ECM	Exhaust temperature not plausible	Damaged sensor, damaged circuit wires, damaged connector Dr damaged ECM output pins.	Check for approximately 2280 to 2736 ohms at a temperature of 19 to 21°C (66 to 70°F) between system circuits A-H4 and A-J4. Refer to the Service Manual for more details.
P2081	ECM	Exhaust temperature sensor fault	Intermittent connection. Damaged sensor, damaged circuit wires, damaged connector, or damaged ECM output pins.	Check for approximately 2280 to 2736 ohms at a temperature of 19 to 21°C (66 to 70°F) between system circuits A-H4 and A-J4. Refer to the Service Manual for more details.
P212C	ECM	Electrical lower-range violation TPS 2	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM
P212D	ECM	Electrical upper-range violation TPS 2	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM
P2159	ECM	TAS (Throttle Accelerator sensor) signal not plausible		
P2245	ECM	Lambda Sensor aging fault downstream of catalyst Sensor Voltage too low	Replace sensor	
P2246	ECM	Lambda Sensor aging fault downstream of	Replace sensor	

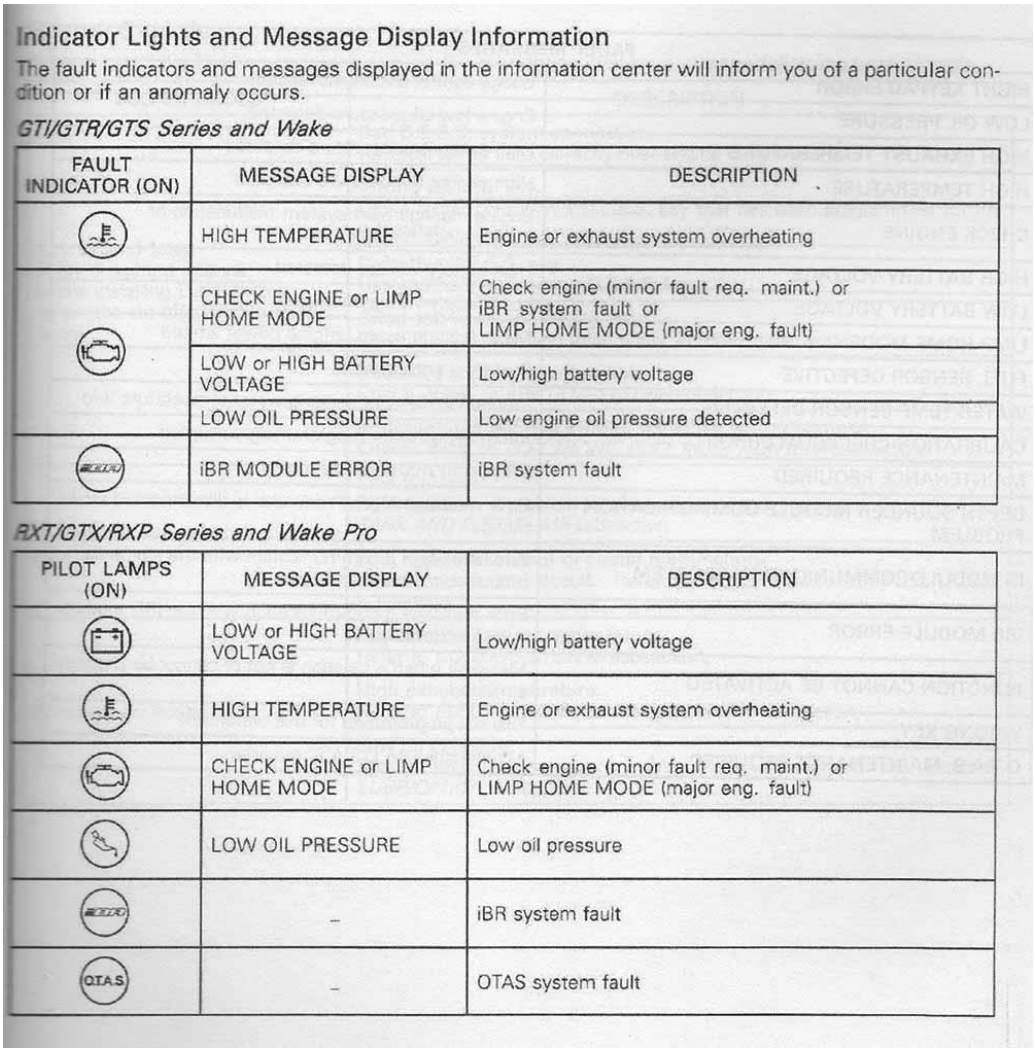
		catalyst Sensor Voltage too high		
P2428	ECM	High exhaust temperature detected	Exhaust system overheating, damaged sensor, or damaged circuit wires.	Check the cooling system for blockage. Check if the exhaust injection valve is properly calibrated. Refer to the Service Manual for more details.
P2620	ECM	TPS value not plausible	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P2621	ECM	Electrical lower-range violation TPS 1	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
P2622	ECM	Electrical upper-range violation TPS 1	Damaged throttle actuator, damaged circuit wires, damaged connector, or damaged ECM.	Check system circuit, perform closed throttle with B.U.D.S. Replace throttle actuator, replace ECM.
U0129	ECM	CAN-BUS communication error between ECM and iBR module	iBR fault detected by ECM. C.A.N. circuit failure, iBR, or ECM failure. Disconnected connector.	Check C.A.N. circuits wires. Replace iBR. Refer to the Service Manual for more details.
U0129	iS	IBR CAN messages timeout or validity	Warning only: the iS module lost communication with the iBR.	If fault ACTIVE, verify CAN connection between iBR and iS.
U016A	ECM	Loss of vehicle speed	Instrument cluster fault detected by ECM. C.A.N. circuit failure, instrument Cluster, or ECM failure.	Check C.A.N. circuits wires, replace instrument Cluster. Refer to the Service Manual for more details.
U0300	ECM	Exchange security – Wrong ECM	Incorrect ECM or cluster for the engine.	Install proper recommended ECM or cluster for the vehicle.
U0401	iBR	ECM CAN messages timeout or validity	C.A.N. circuit failure, ECM software failure.	Check C.A.N. circuits wires. Replace ECM. Refer to the Service Manual for more details.
U0401	iS	ECM CAN messages timeout or validity	Warning only: the iS module lost communication with the engine ECU.	If fault ACTIVE, verify CAN connection between ECM and iS.

U0457	iBR	Cluster CAN messages timeout or validity	C.A.N. circuit failure, Cluster software failure.	Check C.A.N. circuits wires. Replace instrument Cluster. Refer to the Service Manual for more details.
U0457	iS	Cluster CAN messages timeout Dr validity	Warning only: the iS module lost communication with the Cluster.	If fault ACTIVE, verify CAN connection between Cluster and iS.
U16A1	ECM	Cluster CAN Timeout error-Missing CAN ID 514h	Cluster fault detected by ECM. C.A.N. circuit failure, Instrument cluster, or ECM failure.	Check C.A.N. circuits wires. Replace instrument Cluster. Refer to the Service Manual for more details.
U16A2	ECM	Cluster CAN Timeout error-Missing CAN ID 230h	Cluster fault detected by ECM. C.A.N. circuit failure, Instrument cluster, or ECM failure	Check C.A.N. circuits wires. Replace instrument Cluster. Refer to the Service Manual for more details.
U16A3	ECM	Cluster CAN Timeout error-Missing CAN ID 40Bh	Cluster fault detected by ECM. C.A.N. circuit failure, Instrument cluster, or ECM failure.	Check C.A.N. circuits wires. Replace instrument Cluster. Refer to the Service Manual for more details.
U16A4	ECM	iBR CAN Timeout error-Missing CAN ID 010h	iBR fault detected by ECM. C.A.N. circuit failure, iBR, or ECM failure. Disconnected connector.	Check C.A.N. circuits wires. Replace iBR. Refer to the Service Manual for more details.
U16A5	ECM	iBR CAN Timeout error-Missing CAN ID 012h	iBR fault detected by ECM. C.A.N. circuit failure, iBR, or ECM failure. Disconnected connector.	Check C.A.N. circuits wires. Replace instrument iBR. Refer to the Service Manual for more details.
U16A6	ECM	Cluster checksum error – CAN ID230h	Cluster fault detected by ECM. C.A.N. circuit failure, Instrument cluster, or ECM failure.	Check C.A.N BUS circuits wires. Replace instrument Cluster. Refer to the Service Manual for more details.
U16A7	ECM	Cluster checksum error – CAN ID408h	Cluster fault detected by ECM. C.A.N. circuit failure, Instrument cluster, or ECM failure	Check C.A.N. circuits wires. Replace instrument Cluster. Refer to the Service Manual for more details.
U16A8	ECM	1131-i checksum error – CAN ID010h	iBR fault detected by ECM. C.A.N. circuit failure, ECM software failure.	Check C.A.N. circuits wires. Replace iBR. Refer to the Service Manual for more details.

U16A9	ECM	1131-i checksum error – CAN ID020h	iBR fault detected by ECM. C.A.N. circuit failure, ECM software failure.	Check C.A.N. circuits wires. Replace iBR. Refer to the Service Manual for more details.
U16AA	ECM	Cluster CAN Timeout Error missing CAN 1D 410h		
U16AB	ECM	Cluster checksum error – CAN ID410h		

Sea-doo warning lights messages and display meaning

If you see the following pictures pop up on your Sea-doo GTI, GTR, GTS, RXT, GTX, or RXP display you will need to rectify the problem.



Indicator Lights and Message Display Information

The fault indicators and messages displayed in the information center will inform you of a particular condition or if an anomaly occurs.

GTI/GTR/GTS Series and Wake

FAULT INDICATOR (ON)	MESSAGE DISPLAY	DESCRIPTION
	HIGH TEMPERATURE	Engine or exhaust system overheating
	CHECK ENGINE or LIMP HOME MODE	Check engine (minor fault req. maint.) or iBR system fault or LIMP HOME MODE (major eng. fault)
	LOW or HIGH BATTERY VOLTAGE	Low/high battery voltage
	LOW OIL PRESSURE	Low engine oil pressure detected
	iBR MODULE ERROR	iBR system fault

RXT/GTX/RXP Series and Wake Pro

PILOT LAMPS (ON)	MESSAGE DISPLAY	DESCRIPTION
	LOW or HIGH BATTERY VOLTAGE	Low/high battery voltage
	HIGH TEMPERATURE	Engine or exhaust system overheating
	CHECK ENGINE or LIMP HOME MODE	Check engine (minor fault req. maint.) or LIMP HOME MODE (major eng. fault)
	LOW OIL PRESSURE	Low oil pressure
	–	iBR system fault
OTAS	–	OTAS system fault

- High temperature
- Check Engine or Limp mode
- Low/High battery voltage

- iBR module error
- Low oil pressure

Conclusion

There are over 230 Sea-doo fault codes listed here and even though the solution is basic it will give you a good starting point to repair your Sea-doo jet-ski. Often the fix will be simple such as why your Jetski turns over but won't start.

These alarm codes give you a very good indication of where to start. Most of the faults that I have come across are because of people not taking care of their Jes-ski. Remember to winterize your Sea-doo so it will be ready for next season.